Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/03/2022 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123592	-2	4.23	123530	4.19
Blue	F	SSC	125000	123312	-2	4.75	123730	4.6
Blue	E	FITC	13602	13099	-4	4.59	367	14.48
Blue	D	PE	24891	24161	-3	4.41	573	11.15
Blue	B	PerCP-Cy5-5	33972	32848	-4	4.97	939	15.87
Blue	A	PE-Cy7	22865	22501	-2	7.06	468	31.83
Red	C	APC	47198	46170	-3	4	1595	11.85
Red	A	APC-Cy7	26454	25449	-4	4.67	718	12.9
Violet	B	V450	6737	6440	-5	6.07 (1)	450	12.72
Violet	A	V500	29317	27908	-5	5.93	954	9.77

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23616	5.1	539	4	N/A	N/A	Pass
Blue	F	SSC	54616	4.26	519	-2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	488	4	0.0383	48	Pass
Blue	D	PE	110	38.51	491	5	0.4005	272	Pass
Blue	B	PerCP-Cy5-5	146	43.61	584	5	0.0186	86	Pass
Blue	A	PE-Cy7	76	83.92	629	8	0.0210	3	Pass
Red	C	APC	333	26.16	574	2	0.0283	195	Pass
Red	A	APC-Cy7	132	35.69	552	1	0.0063	1344	Pass
Violet	B	V450	76	49.42	448	-2	0.0538	2405	Pass
Violet	A	V500	111	30.83	467	-2	0.0245	640	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.52	-31.30	1.10
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.36	13.90 - 20.86	N/A	N/A	29.77	29.99	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13578

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments